

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 6, 2005, 09:13:40 ; Search time 6678 Seconds
(without alignments)
2044.696 Million cell updates/sec

Title: US-09-909-317-5
Perfect score: 2085
Sequence: 1 cttagggatgatatagctgtc.....cgggcgcgtgctgcgcgcggg 2085

Scoring table:
OLIGO_NUC.
Gapop 60.0 , Gapext 60.0

Searched: 7338684 seqs, 327445616 residues

Word size : 0

Total number of hits satisfying chosen parameters: 14677368

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 100 summaries

Database : Published Applications NA.*

```
1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq:*
10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:*
11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:*
12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq:*
14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:*
15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq:*
17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq:*
18: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq:*
19: /cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq:*
20: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq:*
21: /cgn2_6/ptodata/2/pubpna/US10I_NEW_PUB.seq:*
22: /cgn2_6/ptodata/2/pubpna/US10I_NEW_PUB_PUB.seq:*
23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq:*
24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:*
25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*
```

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2085	100.0	2085	11	US-09-909-317-5
2	406	19.5	844	13	US-10-027-632-154183
3	406	19.5	844	17	US-10-027-632-154183
4	175	8.4	335	19	US-10-283-975A-327
5	175	8.4	370	20	US-10-723-860-6326
6	175	8.4	394	10	US-09-918-995-5037
7	175	8.4	398	9	US-09-960-253-117

8	175	8.4	521	9	US-09-833-790-349	Sequence 349, App
9	175	8.4	622	9	US-09-960-253-107	Sequence 107, App
10	175	8.4	765	9	US-09-960-253-106	Sequence 106, App
11	175	8.4	3686	15	US-10-084-817-316	Sequence 316, App
12	175	8.4	3859	9	US-09-864-864-300	Sequence 300, App
13	175	8.4	3859	14	US-10-097-340-3	Sequence 3, App1
14	175	8.4	3859	17	US-10-163-887A-3	Sequence 3, App1
15	175	8.4	3861	14	US-10-334-143-100	Sequence 100, App
16	175	8.4	4100	20	US-10-723-860-6526	Sequence 6526, App
17	136	6.5	396	16	US-10-181-447A-43	Sequence 44, App1
18	126	6.0	3640	9	US-09-292-758-144	Sequence 144, App
19	124	5.9	3795	15	US-10-171-581-124	Sequence 124, App
20	120	5.8	3045	16	US-10-369-378-24	Sequence 24, App1
21	120	5.8	3045	16	US-10-199-937-136	Sequence 136, App
22	89	4.3	385	9	US-09-925-300-831	Sequence 831, App
23	71	3.4	3200	16	US-10-369-378-46	Sequence 46, App1
24	71	3.4	3308	16	US-10-189-937-177	Sequence 177, App
25	52	2.5	35236	13	US-10-087-192-370	Sequence 170, App
26	47	2.3	11614	22	US-10-737-082-82	Sequence 82, App1
27	47	2.3	11614	22	US-10-765-790-82	Sequence 82, App1
28	46	2.2	50002	13	US-10-087-192-994	Sequence 994, App
29	46	2.2	64183	20	US-10-684-422-201	Sequence 201, App
30	46	2.2	121600	22	US-10-723-860-1125	Sequence 1125, App
31	45	2.2	121600	22	US-10-756-149-1098	Sequence 1098, App
32	45	2.2	563	13	US-10-027-632-185250	Sequence 185250, App
33	45	2.2	563	17	US-10-027-632-185250	Sequence 121754, App
34	45	2.2	681	13	US-10-027-632-121754	Sequence 121754, App
35	45	2.2	681	13	US-10-027-632-121755	Sequence 121755, App
36	45	2.2	681	17	US-10-027-632-121754	Sequence 121754, App
37	45	2.2	681	17	US-10-027-632-121755	Sequence 121755, App
38	45	2.2	775	18	US-10-276-774-600	Sequence 600, App
39	45	2.2	10619	14	US-10-239-676-1	Sequence 1, App1
40	45	2.2	10619	15	US-10-311-455-43	Sequence 43, App1
41	45	2.2	10619	15	US-10-240-453-1	Sequence 1, App1
42	45	2.2	10619	18	US-10-240-589C-1	Sequence 1, App1
43	45	2.2	30175	9	US-09-738-878-3	Sequence 3, App1
44	45	2.2	30175	13	US-10-163-381-3	Sequence 3, App1
45	45	2.2	98345	21	US-10-461-862-136	Sequence 136, App
46	45	2.2	174448	13	US-10-087-192-148	Sequence 148, App
47	44	2.1	432	19	US-10-674-124A-232	Sequence 232, App
48	44	2.1	443	10	US-09-918-995-37206	Sequence 37206, App
49	44	2.1	1613	9	US-09-822-830A-138	Sequence 138, App
50	44	2.1	2866	17	US-10-094-749-1151	Sequence 1151, App
51	44	2.1	10619	14	US-10-239-676-2	Sequence 2, App1
52	44	2.1	10619	15	US-10-311-455-44	Sequence 44, App1
53	44	2.1	10619	15	US-10-240-453-2	Sequence 2, App1
54	44	2.1	10619	18	US-10-240-589C-2	Sequence 2, App1
55	44	2.1	32191	17	US-10-074-024-446	Sequence 446, App
56	44	2.1	68495	19	US-10-322-281-750	Sequence 750, App
57	44	2.1	79528	20	US-10-723-860-2621	Sequence 2621, App
58	44	2.1	79528	22	US-10-756-149-2427	Sequence 2427, App
59	44	2.1	104451	19	US-10-322-281-82	Sequence 82, App1
60	44	2.1	114589	22	US-10-764-425-9	Sequence 9, App1
61	44	2.1	146547	15	US-10-017-128-1	Sequence 1, App1
62	43	2.1	314	13	US-10-674-124A-1269	Sequence 1269, App
63	43	2.1	2208	17	US-10-027-632-103621	Sequence 103621, App
64	43	2.1	2252	19	US-10-741-601-261	Sequence 261, App
65	43	2.1	2252	21	US-10-741-600-745	Sequence 745, App
66	43	2.1	3108	20	US-10-881-088-26	Sequence 26, App1
67	43	2.1	5204	17	US-10-116-275-303	Sequence 303, App
68	43	2.1	16914	19	US-10-741-601-5698	Sequence 5698, App
69	43	2.1	16914	21	US-10-741-601-17777	Sequence 17777, App
70	43	2.1	32148	10	US-09-764-891-6906	Sequence 6906, App
71	43	2.1	129042	13	US-10-087-192-1240	Sequence 1240, App
72	43	2.1	129042	21	US-10-741-600-17651	Sequence 17651, App
73	43	2.1	207433	17	US-10-277-216-5	Sequence 5, App1
74	43	2.1	207433	17	US-10-126-022-5	Sequence 5, App1
75	43	2.1	227968	20	US-10-723-860-1357	Sequence 1357, App
76	43	2.1	227968	20	US-10-723-860-1357	Sequence 1357, App
77	43	2.1	233528	19	US-10-719-993-6856	Sequence 6856, App
78	43	2.1	357528	20	US-10-322-696-34	Sequence 34, App1
79	42	2.0	469	22	US-10-756-149-1092	Sequence 1092, App
80	42	2.0	496	13	US-10-027-632-56952	Sequence 56952, App

81 42 2.0 496 17 US-10-027-632-56952 Sequence 56952, A
C 82 42 2.0 497 13 US-10-027-632-4168 Sequence 4168, Ap
C 83 42 2.0 497 17 US-10-027-632-4168 Sequence 4168, Ap
84 42 2.0 531 17 US-10-242-535A-44957 Sequence 44957, A
85 42 2.0 531 18 US-10-085-783A-44957 Sequence 44957, A
C 86 42 2.0 556 9 US-09-878-134-35 Sequence 35, App1
C 87 42 2.0 580 13 US-10-027-632-281952 Sequence 281952, A
C 88 42 2.0 580 17 US-10-027-632-281952 Sequence 281952, A
89 42 2.0 675 13 US-10-027-632-136997 Sequence 136997, A
90 42 2.0 675 17 US-10-027-632-136997 Sequence 136997, A
91 42 2.0 799 13 US-10-027-632-163036 Sequence 163036, A
92 42 2.0 799 13 US-10-027-632-163037 Sequence 163037, A
93 42 2.0 799 13 US-10-027-632-163038 Sequence 163038, A
94 42 2.0 799 17 US-10-027-632-163036 Sequence 163036, A
95 42 2.0 799 17 US-10-027-632-163037 Sequence 163037, A
96 42 2.0 799 17 US-10-027-632-163038 Sequence 163038, A
C 97 42 2.0 1638 15 US-10-037-270-810 Sequence 810, App
C 98 42 2.0 1638 17 US-10-117-722-810 Sequence 810, App
C 99 42 2.0 2659 20 US-10-723-860-5613 Sequence 5613, App
100 42 2.0 5210 18 US-10-425-114-26845 Sequence 26845, A

ALIGNMENTS

RESULT 1
US-09-909-317-5
; Sequence 5, Application US/0909317
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Roeder (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 09/280,181
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 2085
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-5

Query Match 100.0%; Score 2085; DB 11; Length 2085;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2085; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTAGGATGATATAGTTGTCACACCAAGATGCGATGATCATGCTTTTGACTTGTCAC 60
Db 1 TTTAGGATGATATAGTTGTCACACCAAGATGCGATGATCATGCTTTTGACTTGTCAC 60
QY 61 TTCTCTAGTAAACTTTATTTTGTTCATCATATTTTCCACTTATTTCTGTTTACTTCA 120
Db 61 TTCTCTAGTAAACTTTATTTTGTTCATCATATTTTCCACTTATTTCTGTTTACTTCA 120
QY 121 AATATCTTTTCTTTTCTTTTGTGAGACAGGGTCACACTGTCACCCAGGCTAGAGTCAG 180
Db 121 AATATCTTTTCTTTTCTTTTGTGAGACAGGGTCACACTGTCACCCAGGCTAGAGTCAG 180
QY 181 TGGACATATCATGCTCCACACAGCTCAACCTTCAGGGCTCAGGTGATCTCCACATTC 240
Db 181 TGGACATATCATGCTCCACACAGCTCAACCTTCAGGGCTCAGGTGATCTCCACATTC 240
QY 241 AGCTCCCGAGTAGATGGAGCTACAGGCACTGTCACCACTCCAGCTAATTTTGTAGA 300
Db 241 AGCTCCCGAGTAGATGGAGCTACAGGCACTGTCACCACTCCAGCTAATTTTGTAGA 300
QY 301 GACAAAGTTTGGCATGTTGTCAGGCTGTCCTTGAATCTCGGGCTCAAGGAGATCCGGC 360
Db 301 GACAAAGTTTGGCATGTTGTCAGGCTGTCCTTGAATCTCGGGCTCAAGGAGATCCGGC 360

Db 301 GACAAAGTTTGGCATGTTGTCAGGCTGTCCTTGAATCTCGGGCTCAAGGAGATCCGGC 360
QY 361 CACCTGACCTCCCAAGATGATGATATATAGGATAGGACACATGTCGCCAGCTTACT 420
Db 361 CACCTGACCTCCCAAGATGATGATATATAGGATAGGACACATGTCGCCAGCTTACT 420
QY 421 CAACGATCTGATCTGTTACTTAACTTTAGATTTGGCTTATGTCACAACTTCTTGC 480
Db 421 CAACGATCTGATCTGTTACTTAACTTTAGATTTGGCTTATGTCACAACTTCTTGC 480
QY 481 TTAATCAACCTCTGTCCTTAAAGCAGATGCTTCTCTATGTTAACTTTTAT 540
Db 481 TTAATCAACCTCTGTCCTTAAAGCAGATGCTTCTCTATGTTAACTTTTAT 540
QY 541 GAGTTTATTCATCTGTTATTTTCTTATCTCTATACCAATGATTAATTTTCAAT 600
Db 541 GAGTTTATTCATCTGTTATTTTCTTATCTCTATACCAATGATTAATTTTCAAT 600
QY 601 AAAGCAGCTCATGTTTCAATCTTTTGAATGAAAAAATGCAATGATTAAGAAAG 660
Db 601 AAAGCAGCTCATGTTTCAATCTTTTGAATGAAAAAATGCAATGATTAAGAAAG 660
QY 661 AAACCAATTTTAACTTAACTTATTTTGAATGATTAATGTTCTTATTAACAACAGATCTAG 720
Db 661 AAACCAATTTTAACTTAACTTATTTTGAATGATTAATGTTCTTATTAACAACAGATCTAG 720
QY 721 GCCAGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 780
Db 721 GCCAGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 780
QY 781 TGCTTGAAGGCGAGGGGTTCAAGACCAAGCTGGGCAACATGAGAGATTTCCCATCTCTTT 840
Db 781 TGCTTGAAGGCGAGGGGTTCAAGACCAAGCTGGGCAACATGAGAGATTTCCCATCTCTTT 840
QY 841 CTTTACACACACACACACACACACACACAAATATCTGATAGCAACAGGTGACATTA 900
Db 841 CTTTACACACACACACACACACACACACAAATATCTGATAGCAACAGGTGACATTA 900
QY 901 CCAAAATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 960
Db 901 CCAAAATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 960
QY 961 CTAACATGAAAAAGTCTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1020
Db 961 CTAACATGAAAAAGTCTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1020
QY 1021 CTGATATTTGTAGTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1080
Db 1021 CTGATATTTGTAGTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1080
QY 1081 CGACGGTCTGTGACGGCAGGTAGAACCGCCGTCACAGCCAGAGGGTGAACCTAGCAC 1140
Db 1081 CGACGGTCTGTGACGGCAGGTAGAACCGCCGTCACAGCCAGAGGGTGAACCTAGCAC 1140
QY 1141 TGCAGGGTCACTCGGGCCAAATCAACTATATTTCCGAGGGGGGCTTCCCGG 1200
Db 1141 TGCAGGGTCACTCGGGCCAAATCAACTATATTTCCGAGGGGGGCTTCCCGG 1200
QY 1201 ACCAGGTGCTCAGGGGAGAGAGACACTTAAGATTTGGGGGCGGGCTGTAGCT 1260
Db 1201 ACCAGGTGCTCAGGGGAGAGAGACACTTAAGATTTGGGGGCGGGCTGTAGCT 1260
QY 1261 CATGCCCTGATCCAGACCTTGGGAGGCTGAGGGTGAAGATCTTATGACAGAGAT 1320
Db 1261 CATGCCCTGATCCAGACCTTGGGAGGCTGAGGGTGAAGATCTTATGACAGAGAT 1320
QY 1321 TTGAGACCACTTACCACTTGGGAGACCTTGTCCCTTAAAAAATTTTATTTTATTT 1380
Db 1321 TTGAGACCACTTACCACTTGGGAGACCTTGTCCCTTAAAAAATTTTATTTTATTT 1380
QY 1381 AGCAGTTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1440
Db 1381 AGCAGTTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1440

```
OY 1441 CTGGGCTCAGAGATTCCAGATGACATGATGAGGCACTGCACTCCAGCGCG 1500
DB 1441 CTGGGCTCAGAGATTCCAGATGACATGATGAGGCACTGCACTCCAGCGCG 1500
OY 1501 TGAGCTCAGTCTCAAAATTAAGGAGGAGGTTGGGAGTAAATTAATTTGTAATC 1560
DB 1501 TGAGCTCAGTCTCAAAATTAAGGAGGAGGTTGGGAGTAAATTAATTTGTAATC 1560
OY 1561 AAGTAAGCTTCTCTGGGACAGAAACAATCAAGGGTGGCGCGGGTCTCCAAAGAGTA 1620
DB 1561 AAGTAAGCTTCTCTGGGACAGAAACAATCAAGGGTGGCGCGGGTCTCCAAAGAGTA 1620
OY 1621 CTAGCTCAGCCCAAGCCCGCTCCGCGCCCGCAGGCGCAGCGCCAGAGCTTCAACCGGAC 1680
DB 1621 CTAGCTCAGCCCAAGCCCGCTCCGCGCCCGCAGGCGCAGCGCCAGAGCTTCAACCGGAC 1680
OY 1681 AAGCGCCCGGAGAACTCCGCGCCCGCGCGAGGCGCGCGCCCGCGCCCGCGCG 1740
DB 1681 AAGCGCCCGGAGAACTCCGCGCCCGCGCGAGGCGCGCGCCCGCGCCCGCGCG 1740
OY 1741 TGGAGCGGGTTCCTGCGGCTTCCGCGCGCCAGCGCATCAAGCAATCTATCAGGGAACGCGC 1800
DB 1741 TGGAGCGGGTTCCTGCGGCTTCCGCGCGCCAGCGCATCAAGCAATCTATCAGGGAACGCGC 1800
OY 1801 GTGGCGGGTGGCGGCTGTTCCGCTGCGCTCAGCGCGCTGCGGCTGCGGCTGCGG 1860
DB 1801 GTGGCGGGTGGCGGCTGTTCCGCTGCGCTCAGCGCGCTGCGGCTGCGGCTGCGG 1860
OY 1861 CACCGGAGCGCGGAGGCGGCAAGCGGTGTCTAGGTGCTGCGGCTTCCGAG 1920
DB 1861 CACCGGAGCGCGGAGGCGGCAAGCGGTGTCTAGGTGCTGCGGCTTCCGAG 1920
OY 1921 CTTGGCGGCGAGCTAGGAGGAGATGCGGAGTCTTCCGATTAAGCTCTATCAGTGAAGTA 1980
DB 1921 CTTGGCGGCGAGCTAGGAGGAGATGCGGAGTCTTCCGATTAAGCTCTATCAGTGAAGTA 1980
OY 1981 CGCCAAAGCGGGCGCGCTTTCGCAAGAAATGACGAGCATCCCAAGAGACTCGCT 2040
DB 1981 CGCCAAAGCGGGCGCGCTTTCGCAAGAAATGACGAGCATCCCAAGAGACTCGCT 2040
OY 2041 CCGGATGGCCATCATGTGTGACAGTGCAGGCGCGCTGTGCGCGCGG 2085
DB 2041 CCGGATGGCCATCATGTGTGACAGTGCAGGCGCGCTGTGCGCGCGG 2085

RESULT 2
US-10-027-632-154183
; Sequence 154183, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
```

```
; SEQ ID NO 154183
; LENGTH: 844
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-154183

Query Match 19.5%; Score 406; DB 13; Length 844;
Best Local Similarity 99.8%; Pred. No. 1.2e-187;
Matches 456; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1207 CTGGCTCAGGAGAGAGACACACTTAAGATTGGGCGCGCGCTGTAGCTCATGCC 1266
DB 1 CTGGCTCAGGAGAGAGACACACTTAAGATTGGGCGCGCGCTGTAGCTCATGCC 60
OY 1267 CCTGATCCAGACACTTCGCGAGGCTGAGGCGTGAAGATCACTTTAGCAGAGTTTGA 1326
DB 61 CTTGATCCAGACACTTCGCGAGGCTGAGGCGTGAAGATCACTTTAGCAGAGTTTGA 120
OY 1327 CCACTTACCAACTTGGCGAGACCTGTCTTAAAAAATTTTTTTTATTTATTTAGCCAG 1386
DB 121 CCACTTACCAACTTGGCGAGACCTGTCTTAAAAAATTTTTTTTATTTATTTAGCCAG 180
OY 1387 TTGTGTGAGGCGCTGTGATCTCCAGCTACTGCGAGGCTGAGTGGAGATGCTGGGC 1446
DB 181 TTGTGTGAGGCGCTGTGATCTCCAGCTACTGCGAGGCTGAGTGGAGATGCTGGGC 240
OY 1447 TCAGAGTTCCAGACTGAGTGAAGCATGATGCGGCACTGCACTCCAGCGGCTGAGAC 1506
DB 241 TCAGAGTTCCAGACTGAGTGAAGCATGATGCGGCACTGCACTCCAGCGGCTGAGAC 300
OY 1507 TCAGTCTCAAAATTAAGGAGGAGGTTGGGGGTAAATTTAGTTGTAATCAAGTAA 1566
DB 301 TCAGTCTCAAAATTAAGGAGGAGGTTGGGGGTAAATTTAGTTGTAATCAAGTAA 360
OY 1567 GACTTCTTGGGACGAACAATCAAGGAGTGGCGCGGCTCTCCAAAGAGCTACTAGCT 1626
DB 361 GACTTCTTGGGACGAACAATCAAGGAGTGGCGCGGCTCTCCAAAGAGCTACTAGCT 420
OY 1627 CAGCCAAAGCCCGCTGCGCGCCCGCAGGCGAGCGGCC 1663
DB 421 CAGCCAAAGCCCGCTGCGCGCCCGCAGGCGAGCGGCC 457

RESULT 3
US-10-027-632-154183
; Sequence 154183, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 154183
; LENGTH: 844
; TYPE: DNA
```

```
; ORGANISM: Human
US-10-027-632-154183

Query Match      19.5%; Score 406; DB 17; Length 844;
Best Local Similarity 99.8%; Pred. No. 1.2e-187;
Matches 456; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1207 CTGCCCCGAGGAGAGAGACACACTTAAGATTGGGCGCGGCTGTAGTCTATGCC 1266
DB      1      CTGCCCCGAGGAGAGAGAGACACACTTAAGATTGGGCGCGGCTGTAGTCTATGCC 60
QY      1267 CCTGATCCAGACACTTCCGAGAGCTGAGCGCTGAAGATCACTTGTAGCAGAGATTGAGA 1326
DB      61      CCTGATCCAGACACTTCCGAGAGCTGAGCGCTGAAGATCACTTGTAGCAGAGATTGAGA 120
QY      1327 CCAGCTCAGCCAACTTGGCGAGACCCTGCTCTAAAAAAATTTTATTAATAGCCAG 1386
DB      121      CCAGCTCAGCCAACTTGGCGAGACCCTGCTCTAAAAAAATTTTATTAATAGCCAG 180
QY      1387 TTGTGTGAGAGCCCTGTAGTCTCCAGCTTACTCGGAGGCTGAGTGGAGAGATCGCTGGGC 1446
DB      181      TTGTGTGAGAGCCCTGTAGTCTCCAGCTTACTCGGAGGCTGAGTGGAGAGATCGCTGGGC 240
QY      1447 TCAGGAGTTCCAGACTGAGTGAAGCCATGATGGCGGCACTGCATCCAGCGCGGTGAGAC 1506
DB      241      TCAGGAGTTCCAGACTGAGTGAAGCCATGATGGCGGCACTGCATCCAGCGCGGTGAGAC 300
QY      1507 TCAGTCTCAAAAATTAAGGAGGAGGAGGTTGGGGGTAAATTAATTGTTGAATCAAGTAA 1566
DB      301      TCAGTCTCAAAAATTAAGGAGGAGGAGGTTGGGGGTAAATTAATTGTTGAATCAAGTAA 360
QY      1567 GACTCTCTGGGAGCAGACATCAAAAGGGGTGGCGCGGCTCTCCAAAGAGCTACTAGCT 1626
DB      361      GACTCTCTGGGAGCAGACATCAAAAGGGGTGGCGCGGCTCTCCAAAGAGCTACTAGCT 420
QY      1627 CAGCCCAAGCCCGGCTGGCGCCGCCAGGGCAGCGGCC 1663
DB      421      CAGCCCAAGCCCGGCTGGCGCCGCCAGGGCAGCGGCC 457

RESULT 4
US-10-283-975A-327
; Sequence 327, Application US/10283975A
; Publication No. US20040110792A1
; GENERAL INFORMATION:
; APPLICANT: Ortho-Clinical Diagnostics, Inc.
; TITLE OF INVENTION: Methods For Assessing and Treating Leukemia
; FILE REFERENCE: CDS 293 PCT
; CURRENT APPLICATION NUMBER: US/10/283,975A
; CURRENT FILING DATE: 2002-10-30
; PRIOR APPLICATION NUMBER: 60/340,938
; PRIOR FILING DATE: 2001-10-30
; PRIOR APPLICATION NUMBER: 60/338,997
; PRIOR FILING DATE: 2001-10-30
; PRIOR APPLICATION NUMBER: 60/340,081
; PRIOR FILING DATE: 2001-10-30
; PRIOR APPLICATION NUMBER: 60/341,012
; PRIOR FILING DATE: 2001-10-30
; NUMBER OF SEQ ID NOS: 900
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 327
; LENGTH: 335
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(335)
; OTHER INFORMATION: N=any base
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(335)
; OTHER INFORMATION:
US-10-283-975A-327
```

```
Query Match      8.4%; Score 175; DB 19; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1888 GTGTTTCTAGAGTCGTGGCGTTCGGGCTTCCGAGCTTTGGCGGAGCTAGGAGAGATGCC 1947
DB      46      GTGTTTCTAGAGTCGTGGCGTTCGGGCTTCCGAGCTTTGGCGGAGCTAGGAGAGATGCC 105
QY      1948 GGAATCGAGGAGATAGCTATGAGTGAAGTACGCCAAGAGCGGGCGGCTCTTGCAA 2007
DB      106      GGAATCGAGGAGATAGCTATGAGTGAAGTACGCCAAGAGCGGGCGGCTCTTGCAA 165
QY      2008 GAAATGAGCGAGAGCATCCCAAGAGACTCGCTCCGATGGCCATCATGTGTGAG 2062
DB      166      GAAATGAGCGAGAGCATCCCAAGAGACTCGCTCCGATGGCCATCATGTGTGAG 220

RESULT 5
US-10-723-860-2326
; Sequence 2326, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; FILE REFERENCE: 05882,0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2326
; LENGTH: 370
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-860-2326

Query Match      8.4%; Score 175; DB 20; Length 370;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1888 GTGTTTCTAGAGTCGTGGCGTTCGGGCTTCCGAGCTTTGGCGGAGCTAGGAGAGATGCC 1947
DB      129      GTGTTTCTAGAGTCGTGGCGTTCGGGCTTCCGAGCTTTGGCGGAGCTAGGAGAGATGCC 188
QY      1948 GGAATCGAGGAGATAGCTATGAGTGAAGTACGCCAAGAGCGGGCGGCTCTTGCAA 2007
DB      189      GGAATCGAGGAGATAGCTATGAGTGAAGTACGCCAAGAGCGGGCGGCTCTTGCAA 248
QY      2008 GAAATGAGCGAGAGCATCCCAAGAGACTCGCTCCGATGGCCATCATGTGTGAG 2062
DB      249      GAAATGAGCGAGAGCATCCCAAGAGACTCGCTCCGATGGCCATCATGTGTGAG 303

RESULT 6
US-09-918-995-5037
; Sequence 5037, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
```

```
/ SEQ ID NO 5037
/ LENGTH: 394
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-918-995-5037
```

```
Query Match      8.4%; Score 175; DB 10; Length 394;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1888 GTGTTTCTAGTCTGTCGCGCTTCGGGCTTCGGAGCTTTGGCGCGAGCTAGGAGAGATGGC 1947
DB 76 GTGTTTCTAGTCTGTCGCGCTTCGGGCTTCGGAGCTTTGGCGCGAGCTAGGAGAGATGGC 135
QY 1948 GGAGCTTCGGAATAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGGCTCTTGCAA 2007
DB 136 GGAGCTTCGGAATAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGGCTCTTGCAA 195
QY 2008 GAAATGCAGCAGAGACATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 2062
DB 196 GAAATGCAGCAGAGACATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 250
```

RESULT 7

```
US-09-960-253-117
/ Sequence 117, Application US/09960253
/ Patent No. US20020123619A1
```

GENERAL INFORMATION:

```
/ APPLICANT: Benson, Darin R.
/ APPLICANT: Mohamath, Raodoh
/ APPLICANT: Lodes, Michael J.
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
/ TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
/ FILE REFERENCE: 210121.556
/ CURRENT APPLICATION NUMBER: US/09/960,253
/ CURRENT FILING DATE: 2001-09-20
/ NUMBER OF SEQ ID NOS: 187
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 117
/ LENGTH: 398
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-960-253-117
```

```
Query Match      8.4%; Score 175; DB 9; Length 398;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1888 GTGTTTCTAGTCTGTCGCGCTTCGGGCTTCGGAGCTTTGGCGCGAGCTAGGAGAGATGGC 1947
DB 73 GTGTTTCTAGTCTGTCGCGCTTCGGGCTTCGGAGCTTTGGCGCGAGCTAGGAGAGATGGC 132
QY 1948 GGAGCTTCGGAATAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGGCTCTTGCAA 2007
DB 133 GGAGCTTCGGAATAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGGCTCTTGCAA 192
QY 2008 GAAATGCAGCAGAGACATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 2062
DB 193 GAAATGCAGCAGAGACATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 247
```

RESULT 8

```
US-09-833-790-349
/ Sequence 349, Application US/09833790
/ Patent No. US20020068288A1
```

GENERAL INFORMATION:

```
/ APPLICANT: Lodes, Michael J.
/ APPLICANT: Wang, Tongrong
/ APPLICANT: Secrist, Heather
/ APPLICANT: Mohamath, Raodoh
/ APPLICANT: Indritas, Carol Y.
/ APPLICANT: Fan, Liqun
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
```

```
/ TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
/ FILE REFERENCE: 210121.512
/ CURRENT APPLICATION NUMBER: US/09/833,790
/ CURRENT FILING DATE: 2001-04-11
/ NUMBER OF SEQ ID NOS: 440
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 349
/ LENGTH: 521
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-833-790-349
```

```
Query Match      8.4%; Score 175; DB 9; Length 521;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1888 GTGTTTCTAGTCTGTCGCGCTTCGGGCTTCGGAGCTTTGGCGCGAGCTAGGAGAGATGGC 1947
DB 52 GTGTTTCTAGTCTGTCGCGCTTCGGGCTTCGGAGCTTTGGCGCGAGCTAGGAGAGATGGC 111
QY 1948 GGAGCTTCGGAATAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGGCTCTTGCAA 2007
DB 112 GGAGCTTCGGAATAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGGCTCTTGCAA 171
QY 2008 GAAATGCAGCAGAGACATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 2062
DB 172 GAAATGCAGCAGAGACATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 226
```

RESULT 9

```
US-09-960-253-107
/ Sequence 107, Application US/09960253
/ Patent No. US20020123619A1
```

GENERAL INFORMATION:

```
/ APPLICANT: Benson, Darin R.
/ APPLICANT: Mohamath, Raodoh
/ APPLICANT: Lodes, Michael J.
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
/ TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
/ FILE REFERENCE: 210121.556
/ CURRENT APPLICATION NUMBER: US/09/960,253
/ CURRENT FILING DATE: 2001-09-20
/ NUMBER OF SEQ ID NOS: 187
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 107
/ LENGTH: 665
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-960-253-107
```

```
Query Match      8.4%; Score 175; DB 9; Length 665;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1888 GTGTTTCTAGTCTGTCGCGCTTCGGGCTTCGGAGCTTTGGCGCGAGCTAGGAGAGATGGC 1947
DB 109 GTGTTTCTAGTCTGTCGCGCTTCGGGCTTCGGAGCTTTGGCGCGAGCTAGGAGAGATGGC 168
QY 1948 GGAGCTTCGGAATAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGGCTCTTGCAA 2007
DB 169 GGAGCTTCGGAATAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGGCTCTTGCAA 228
QY 2008 GAAATGCAGCAGAGACATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 2062
DB 229 GAAATGCAGCAGAGACATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 283
```

RESULT 10

```
US-09-960-253-106
/ Sequence 106, Application US/09960253
/ Patent No. US20020123619A1
```

GENERAL INFORMATION:

```
/ APPLICANT: Benson, Darin R.
```

```

; APPLICANT: Mohamath, Raodoh
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.556
; CURRENT APPLICATION NUMBER: US/09/960,253
; CURRENT FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 187
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 106
; LENGTH: 722
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-960-253-106
```

Query Match 8.4%; Score 175; DB 9; Length 722;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;

Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1888 GTGTTCTAGGTCGTGCGCTCGGCGCTTCGCGAGCTTTGGCGGACGTAAGGGAGGATGCG 1947
    |||||||
DB 124 GTGTTCTAGGTCGTGCGCTCGGCGCTTCGCGAGCTTTGGCGGACGTAAGGGAGGATGCG 183
    |||||||
QY 1948 GGAAGCTTCGGATAAGCTCTATCGAGTGAAGTACCCCAAGAGCGGGCGGCTCTTGCAA 2007
    |||||||
DB 184 GGAAGCTTCGGATAAGCTCTATCGAGTGAAGTACCCCAAGAGCGGGCGGCTCTTGCAA 243
    |||||||
QY 2008 GAAATGCGAGCGAGACATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 2062
    |||||||
DB 244 GAAATGCGAGCGAGACATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 238
    |||||||
```

RESULT 11

US-10-084-817-316

; Sequence 316, Application US/10084817

; Publication No. US20030119009A1

; GENERAL INFORMATION:

; APPLICANT: Susan Stuart

; APPLICANT: Jed G. Nuchtern

; APPLICANT: Sharon E. Plon

; APPLICANT: Jason M. Shohet

; TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION

; FILE REFERENCE: PA-0046 US

; CURRENT APPLICATION NUMBER: US/10/084,817

; CURRENT FILING DATE: 2002-02-25

; PRIOR APPLICATION NUMBER: 60/270,784

; PRIOR FILING DATE: 2001-02-23

; NUMBER OF SEQ ID NOS: 365

; SOFTWARE: PERL Program

; SEQ ID NO: 316

; LENGTH: 3686

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc_feature

; OTHER INFORMATION: Incyte ID No. US20030119009A1 034181CB1

US-10-084-817-316

Query Match 8.4%; Score 175; DB 15; Length 3686;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;

Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1888 GTGTTCTAGGTCGTGCGCTCGGCGCTTCGCGAGCTTTGGCGGACGTAAGGGAGGATGCG 1947
    |||||||
DB 116 GTGTTCTAGGTCGTGCGCTCGGCGCTTCGCGAGCTTTGGCGGACGTAAGGGAGGATGCG 175
    |||||||
QY 1948 GGAAGCTTCGGATAAGCTCTATCGAGTGAAGTACCCCAAGAGCGGGCGGCTCTTGCAA 2007
    |||||||
DB 176 GGAAGCTTCGGATAAGCTCTATCGAGTGAAGTACCCCAAGAGCGGGCGGCTCTTGCAA 235
    |||||||
QY 2008 GAAATGCGAGCGAGACATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 2062
    |||||||
DB 236 GAAATGCGAGCGAGACATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 290
    |||||||
```

RESULT 12

US-09-864-864-300

; Sequence 300, Application US/09864864

; Patent No. US20020102679A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Dillon, Davin C.

; APPLICANT: Secrist, Heather

; APPLICANT: Lodes, Michael J.

; APPLICANT: Algate, Paul A.

; APPLICANT: Fling, Steve P.

; APPLICANT: Mannion, Jane

; APPLICANT: Benson, Darin R.

; APPLICANT: Carter, Darick

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; FILE REFERENCE: 210121.523

; CURRENT APPLICATION NUMBER: US/09/864,864

; CURRENT FILING DATE: 2001-05-23

; NUMBER OF SEQ ID NOS: 341

; SOFTWARE: Corixa Invention Disclosure Database

; SEQ ID NO: 300

; LENGTH: 3859

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-864-864-300

Query Match 8.4%; Score 175; DB 9; Length 3859;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;

Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1888 GTGTTCTAGGTCGTGCGCTCGGCGCTTCGCGAGCTTTGGCGGACGTAAGGGAGGATGCG 1947
    |||||||
DB 105 GTGTTCTAGGTCGTGCGCTCGGCGCTTCGCGAGCTTTGGCGGACGTAAGGGAGGATGCG 164
    |||||||
QY 1948 GGAAGCTTCGGATAAGCTCTATCGAGTGAAGTACCCCAAGAGCGGGCGGCTCTTGCAA 2007
    |||||||
DB 165 GGAAGCTTCGGATAAGCTCTATCGAGTGAAGTACCCCAAGAGCGGGCGGCTCTTGCAA 224
    |||||||
QY 2008 GAAATGCGAGCGAGACATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 2062
    |||||||
DB 225 GAAATGCGAGCGAGACATCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 279
    |||||||
```

RESULT 13

US-10-097-340-3

; Sequence 3, Application US/10097340

; Publication No. US20030087250A1

; GENERAL INFORMATION:

; APPLICANT: John MONAHAN

; APPLICANT: Manjula GANNAVARAPU

; APPLICANT: Sebastian HOERSCH

; APPLICANT: Shubhangi KAMATKAR

; APPLICANT: Steve G. KOVATS

; APPLICANT: Rachel E. MEYERS

; APPLICANT: Michael MORRISSEY

; APPLICANT: Peter OLANDT

; APPLICANT: Ami SEN

; APPLICANT: Peter VERIBY

; APPLICANT: Gordon B. MILLS

; APPLICANT: Robert C. BAST, Jr.

; APPLICANT: Karen LU

; APPLICANT: Rosemarie SCHMANDT

; APPLICANT: Xumei ZHAO

; APPLICANT: Karen GLATT

; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
; FILE REFERENCE: MRI-030
; CURRENT APPLICATION NUMBER: US/10/097,340

;; CURRENT FILING DATE: 2002-03-14
;; PRIOR APPLICATION NUMBER: 60/276,025
;; PRIOR FILING DATE: 2001-03-14
;; PRIOR APPLICATION NUMBER: 60/325,149
;; PRIOR FILING DATE: 2001-09-26
;; PRIOR APPLICATION NUMBER: 60/276,026
;; PRIOR FILING DATE: 2001-03-14
;; PRIOR APPLICATION NUMBER: 60/324,967
;; PRIOR FILING DATE: 2001/09/26
;; PRIOR APPLICATION NUMBER: 60/311,732
;; PRIOR FILING DATE: 2001-08-10
;; PRIOR APPLICATION NUMBER: 60/325,102
;; PRIOR FILING DATE: 2001-09-26
;; PRIOR APPLICATION NUMBER: 60/323,580
;; PRIOR FILING DATE: 2001-09-19
;; NUMBER OF SEQ ID NOS: 363
;; SOFTWARE: PaateSeq for Windows Version 4.0
;; SEQ ID NO 3
;; LENGTH: 3859
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-097-340-3

Query Match 8.4%; Score 175; DB 14; Length 3859;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTCTAGTCTGCGGCGCTTCCGAGCTTTGGCGGAGCTAGGAGATGGC 1947
DB 105 GTGTTCTAGTCTGCGGCGCTTCCGAGCTTTGGCGGAGCTAGGAGATGGC 164
QY 1948 GGAGCTTCTGAGTAAGCTCTATCGAGTACGCAAGAGCGGCGGCTTTGCA 2007
DB 165 GGAGCTTCTGAGTAAGCTCTATCGAGTACGCAAGAGCGGCGGCTTTGCA 224
QY 2008 GAATGCAGCAGAGACATCCCAAGAGCTCGCTCCGAGTGCATCATGTGCGAG 2062
DB 225 GAATGCAGCAGAGACATCCCAAGAGCTCGCTCCGAGTGCATCATGTGCGAG 279

RESULT 14
US-10-163-587A-3
;; Sequence 3, Application US/10163587A
;; Publication No. US20030096263A1
;; GENERAL INFORMATION:
;; APPLICANT: Oliveira, Marcos
;; TITLE OF INVENTION: SELECTIVE PAMP-1 TARGETING FOR DESIGNING CHEMO/RADIO SENSITIZING
;; FILE REFERENCE: 50229-306
;; CURRENT APPLICATION NUMBER: US/10/163,587A
;; CURRENT FILING DATE: 2003-01-10
;; PRIOR APPLICATION NUMBER: 60/296,110
;; PRIOR FILING DATE: 2001-06-07
;; NUMBER OF SEQ ID NOS: 40
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 3
;; LENGTH: 3859
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: (160)..(3204)
;; OTHER INFORMATION:
US-10-163-587A-3

Query Match 8.4%; Score 175; DB 14; Length 3859;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTCTAGTCTGCGGCGCTTCCGAGCTTTGGCGGAGCTAGGAGATGGC 1947
DB 105 GTGTTCTAGTCTGCGGCGCTTCCGAGCTTTGGCGGAGCTAGGAGATGGC 164
QY 1948 GGAGCTTCTGAGTAAGCTCTATCGAGTACGCAAGAGCGGCGGCTTTGCA 2007

DB 165 GGAGCTTCTGAGTAAGCTCTATCGAGTACGCAAGAGCGGCGGCTTTGCA 224
QY 2008 GAATGCAGCAGAGACATCCCAAGAGCTCGCTCCGAGTGCATCATGTGCGAG 2062
DB 225 GAATGCAGCAGAGACATCCCAAGAGCTCGCTCCGAGTGCATCATGTGCGAG 279

RESULT 15
US-10-334-143-100
;; Sequence 100, Application US/10334143
;; Publication No. US20040009549A1
;; GENERAL INFORMATION:
;; APPLICANT: GRIGORIEV, IGOR VYACHESLAVOVICH
;; APPLICANT: SUDARSANAM, SUCHA
;; TITLE OF INVENTION: METHOD FOR DETECTING REMOTE HOMOLOGUES AND NOVEL
;; FILE REFERENCE: 038602/1543
;; CURRENT APPLICATION NUMBER: US/10/334,143
;; CURRENT FILING DATE: 2002-12-31
;; PRIOR APPLICATION NUMBER: 60/343,169
;; PRIOR FILING DATE: 2001-12-31
;; NUMBER OF SEQ ID NOS: 207
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 100
;; LENGTH: 3861
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-334-143-100

Query Match 8.4%; Score 175; DB 17; Length 3861;
Best Local Similarity 100.0%; Pred. No. 1.1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTCTAGTCTGCGGCGCTTCCGAGCTTTGGCGGAGCTAGGAGATGGC 1947
DB 107 GTGTTCTAGTCTGCGGCGCTTCCGAGCTTTGGCGGAGCTAGGAGATGGC 166
QY 1948 GGAGCTTCTGAGTAAGCTCTATCGAGTACGCAAGAGCGGCGGCTTTGCA 2007
DB 167 GGAGCTTCTGAGTAAGCTCTATCGAGTACGCAAGAGCGGCGGCTTTGCA 226
QY 2008 GAATGCAGCAGAGACATCCCAAGAGCTCGCTCCGAGTGCATCATGTGCGAG 2062
DB 227 GAATGCAGCAGAGACATCCCAAGAGCTCGCTCCGAGTGCATCATGTGCGAG 281

RESULT 16
US-10-723-860-6526
;; Sequence 6526, Application US/10723860
;; Publication No. US20040253606A1
;; GENERAL INFORMATION:
;; APPLICANT: Aziz, Natsasha
;; APPLICANT: Gineburg, Wendy M.
;; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
;; FILE REFERENCE: 05882, 0193, NUS01
;; CURRENT APPLICATION NUMBER: US/10/723,860
;; CURRENT FILING DATE: 2003-11-26
;; PRIOR APPLICATION NUMBER: 60/429,739
;; PRIOR FILING DATE: 2002-11-26
;; NUMBER OF SEQ ID NOS: 8393
;; SOFTWARE: PatentIn version 3.2
;; SEQ ID NO 6526
;; LENGTH: 4100
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-723-860-6526

Query Match 8.4%; Score 175; DB 20; Length 4100;
Best Local Similarity 100.0%; Pred. No. 1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1888	GTGTTTCTAGAGTCGTGGCGGTGCGGCTTCCGAGACTTTGGCGGCACTTGGGGAGGATGCG	1947
Db	118	GTGTTTCTAGAGTCGTGGCGGTGCGGCTTCCGAGACTTTGGCGGCACTTGGGGAGGATGCG	177
Qy	1948	GGAGTCTTCGGATTAAGCTCTATTCAGTTCGAGTACCCCAAGAGCGGGGCGGCTCTTTGCA	2007
Db	178	GGAGTCTTCGGATTAAGCTCTATTCAGTTCGAGTACCCCAAGAGCGGGGCGGCTCTTTGCA	237
Qy	2008	GAATTCGACGAGAGCATCCCAAGGATCCGCTCCGGATGGCCATCATGTGTGAG	2062
Db	238	GAATTCGACGAGAGCATCCCAAGGATCCGCTCCGGATGGCCATCATGTGTGAG	292

```

RESULT 17
US-10-181-447A-43
Sequence 43, Application US/10181447A
Publication No. US20030180738A1
GENERAL INFORMATION:
APPLICANT: The No. US20030180738A1Ingham Trent University
TITLE OF INVENTION: Cancer Associated Genes and Their Products
FILE REFERENCE: NO. US20030180738A1Ingham Trent Uni
CURRENT APPLICATION NUMBER: US/10/181,447A
CURRENT FILING DATE: 2002-07-18
PRIORITY APPLICATION NUMBER: PCT/GB/01/000188
PRIORITY FILING DATE: 2001-01-18
PRIORITY APPLICATION NUMBER: G500000993.6
PRIORITY FILING DATE: 2000-01-18
NUMBER OF SEQ ID NOS: 66
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 43
LENGTH: 396
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(396)
OTHER INFORMATION: n = g, a, t, or c
US-10-181-447A-43

```

	Query Match	Similarity	6.5%	Score 136	DB 16	Length 396
	Best Local	Similarity	100.0%	Pred. No. 1.3e-55		
	Matches 136	Conservative	0	Mismatches 0	Indels 0	Gaps 0
Qy	1927	CGGACAGCTAGGGAGAGATGCGGAGCTTCGATTAAGCTTATCGAGTCGAGTACGCCAA	1986			
Db	94	CGGACAGCTAGGGAGAGATGCGGAGCTTCGATTAAGCTTATCGAGTCGAGTACGCCAA	153			
Qy	1987	GAGCGGGCGCGCTCTTTCGAAGAAATGACGAGAGCATCCCAAGACTCGCTCCGAT	2046			
Db	154	GAGCGGGCGCGCTCTTTCGAAGAAATGACGAGAGCATCCCAAGACTCGCTCCGAT	213			
Qy	2047	GGCATCATGGTGCAG	2062			
Db	214	GGCATCATGGTGCAG	229			

```

RESULT 18
US-09-292-758-144
: Sequence 144, Application US/09292758
: Publication No. US20020197602A1
: GENERAL INFORMATION:
: APPLICANT: Burmet, Glenna C.
: APPLICANT: Brown, Joseph P.
: APPLICANT: Lifespan Biosciences, Inc.
: TITLE OF INVENTION: Nucleic Acid Sequences and Proteins
: TITLE OF INVENTION: Associated With Aging
: FILE REFERENCE: 017473-001110US
: CURRENT APPLICATION NUMBER: US/09/292,758
: CURRENT FILING DATE: 1999-04-14
: EARLIER APPLICATION NUMBER: US 60/081,887
: EARLIER FILING DATE: 1998-04-15
: NUMBER OF SEQ ID NOS: 147

```

```

; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 144
; LENGTH: 3640
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-292-758-144

```

Query Match	6.0%;	Score 126;	DB 9;	Length 3640;
Best Local Similarity	100.0%;	Pred. No. 9.6e-51;		
Matches 126;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

Qy	1937	GGAGAGATGGCGGAGTCTTCGGAAACTCTATAGATCGAGTACGACCAAGCGGGCGC	1996
Db	134	GGAGAGATGGCGGAGTCTTCGGATAACTATCATGATCGAGTACGACCAAGCGGGCGC	193
Qy	1997	GGCTCTTGCAAGAAATGACGAGAGAGATCCCCAAGACTCGCTCCGGATGGCCATCATG	2056
Db	194	GGCTCTTGCAAGAAATGACGAGAGAGATCCCCAAGACTCGCTCCGATGGCCATCATG	253
Qy	2057	GTGCAG	2062
Db	254	GTGCAG	259

```

RESULT 19
US-10-171-581-124
; Sequence 124, Application US/10171581
; Publication No. US20030104426A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: Linsley, Peter
; APPLICANT: Mao Mao
; TITLE OF INVENTION: Signature Genes in Chronic Myelogenous Leukemia
; FILE REFERENCE: 9301-157-999
; CURRENT APPLICATION NUMBER: US/10/171,581
; CURRENT FILING DATE: 2002-05-14
; PRIORITY APPLICATION NUMBER: 60/298,914
; PRIORITY FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 366
; SEQ ID NO 124
; LENGTH: 3795
; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: J03473
; DATABASE ENTRY DATE: 2001-06-18
; US-10-171-581-124

```

	Query Match	5.9%;	Score 124;	DB 15;	Length 3795;
	Best Local Similarity	99.4%;	Pred. No. 9,2e-50;		
	Matches 174;	Conservative	0;	Mismatches 1;	Indels 0;
				Gaps	0;
Qy	1888	GTGTTTCTAGAGTCGTGCGCTTCGAGCTTTGGCGCGACGTAAGGGAGAGATGCG	1947		
Db	41	GTGTTTCTAGAGTCGTGCGCTTCGAGCTTTGGCGCGACGTAAGGGAGAGATGCG	100		
Qy	1948	GGAAGCTTCGAGATTAAGCTTATCGAGTCGAGTACGCCAAGAGCGGCGCTTTGGCAA	2007		
Db	101	GGAAGCTTCGAGATTAAGCTTATCGAGTCGAGTACGCCAAGAGCGGCGCTTTGGCAA	160		
Qy	2008	GAAATGAGAGAGAGCATCCCCCAAGAGCTGGCTCCGATGGCCATCATGTGTGACG	2062		
Db	161	GAAATGAGAGAGAGCATCCCCCAAGAGCTGGCTCCGATGGCCATCATGTGTGACG	215		

RESULT 20
US-10-369-378-24
Sequence 24, Application US/10369378
Publication No. US20030170859A1
GENERAL INFORMATION:
APPLICANT: Christenson, Erik
Demeggio, Anthony J
APPLICANT: Goldman, Phyllis S


```
/ APPLICANT: McElligott, David L
/ TITLE OF INVENTION: Human Poly(ADP-Ribose) Polymerase 2 Materials and
/ FILE REFERENCE: 27866/36544
/ CURRENT APPLICATION NUMBER: US/10/369,378
/ PRIOR FILING DATE: 2003-02-19
/ PRIOR APPLICATION NUMBER: US/09/596,248D
/ PRIOR FILING DATE: 2000-06-16
/ PRIOR APPLICATION NUMBER: 60/139,543
/ PRIOR FILING DATE: 1999-06-16
/ NUMBER OF SEQ ID NOS: 68
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 24
/ LENGTH: 3045
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (1)..(3045)
/ OTHER INFORMATION:
US-10-369-378-24
```

```
Query Match      5.8%; Score 120; DB 16; Length 3045;
Best Local Similarity 100.0%; Pred. No. 8.3e-48;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1943 ATGGCGAGTCTTCGATAAGCTCTATCGAGTGAAGTACGCAAGCGGCGGCTCT 2002
        |||||
Db      1 ATGGCGAGTCTTCGATAAGCTCTATCGAGTGAAGTACGCAAGCGGCGGCTCT 60

Qy      2003 TGCAGAAATGCAGCGAGCATCCCAAGAGACTCGCTCCGATGGCCATCATGTGCAG 2062
        |||||
Db      61 TGCAGAAATGCAGCGAGCATCCCAAGAGACTCGCTCCGATGGCCATCATGTGCAG 120
```

```
RESULT 21
US-10-199-937-136
/ Sequence 136, Application US/10199937
/ Publication No. US2003019079A1
/ GENERAL INFORMATION:
/ APPLICANT: Christenson, Erik
/ APPLICANT: Demaggio, Anthony J.
/ APPLICANT: Goldman, Phyllis S.
/ APPLICANT: McElligott, David L.
/ TITLE OF INVENTION: TANKYRASE2 MATERIALS AND METHODS
/ FILE REFERENCE: 27866/36559
/ CURRENT APPLICATION NUMBER: US/10/199,937
/ CURRENT FILING DATE: 2002-07-22
/ PRIOR APPLICATION NUMBER: US/09/506,035
/ PRIOR FILING DATE: 2000-06-28
/ PRIOR APPLICATION NUMBER: 60/141,582
/ PRIOR FILING DATE: 1999-06-29
/ NUMBER OF SEQ ID NOS: 178
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 136
/ LENGTH: 3045
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (1)..(3042)
US-10-199-937-136
```

```
Query Match      5.8%; Score 120; DB 16; Length 3045;
Best Local Similarity 100.0%; Pred. No. 8.3e-48;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1943 ATGGCGAGTCTTCGATAAGCTCTATCGAGTGAAGTACGCAAGCGGCGGCTCT 2002
        |||||
Db      1 ATGGCGAGTCTTCGATAAGCTCTATCGAGTGAAGTACGCAAGCGGCGGCTCT 60

Qy      2003 TGCAGAAATGCAGCGAGCATCCCAAGAGACTCGCTCCGATGGCCATCATGTGCAG 2062
        |||||
```

```
Db      61 TGCAGAAATGCAGCGAGCATCCCAAGAGACTCGCTCCGATGGCCATCATGTGCAG 120
```

```
RESULT 22
US-09-925-300-831
/ Sequence 831, Application US/09925300
/ Patent No. US20020151681A1
/ GENERAL INFORMATION:
/ APPLICANT: Craig Rosen,
/ APPLICANT: Steve Ruben,
/ TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
/ FILE REFERENCE: PA101
/ CURRENT APPLICATION NUMBER: US/09/925,300
/ CURRENT FILING DATE: 2001-08-10
/ PRIOR APPLICATION NUMBER: PCT/US00/05988
/ PRIOR FILING DATE: 2000-03-08
/ PRIOR APPLICATION NUMBER: 60/124,270
/ PRIOR FILING DATE: 1999-03-12
/ NUMBER OF SEQ ID NOS: 1890
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 831
/ LENGTH: 385
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (98)
/ OTHER INFORMATION: n equals a,t,g, or c
/ NAME/KEY: misc feature
/ LOCATION: (142)
/ OTHER INFORMATION: n equals a,t,g, or c
/ NAME/KEY: misc feature
/ LOCATION: (274)
/ OTHER INFORMATION: n equals a,t,g, or c
/ NAME/KEY: misc feature
/ LOCATION: (322)
/ OTHER INFORMATION: n equals a,t,g, or c
/ NAME/KEY: misc feature
/ LOCATION: (356)
/ OTHER INFORMATION: n equals a,t,g, or c
/ NAME/KEY: misc feature
/ LOCATION: (358)
/ OTHER INFORMATION: n equals a,t,g, or c
/ NAME/KEY: misc feature
/ LOCATION: (373)
/ OTHER INFORMATION: n equals a,t,g, or c
/ NAME/KEY: misc feature
/ LOCATION: (374)
/ OTHER INFORMATION: n equals a,t,g, or c
US-09-925-300-831
```

```
Query Match      4.3%; Score 89; DB 9; Length 385;
```

```
Best Local Similarity 100.0%; Pred. No. 1.3e-32;
Matches 89; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1933 CTAGGGAGAGATGGGAGAGTCTTCGATAAGCTCTATCGAGTGAAGTACGCAAGAGCGG 1992
        |||||
Db      159 CTAGGGAGAGATGGGAGAGTCTTCGATAAGCTCTATCGAGTGAAGTACGCAAGAGCGG 218

Qy      1993 GCGGCGCTCTTGCAAGAAATGCAGCGAGA 2021
        |||||
Db      219 GCGGCGCTCTTGCAAGAAATGCAGCGAGA 247
```

```
RESULT 23
US-10-369-378-46
```

```
/ Sequence 46, Application US/10369378
/ Publication No. US20030170859A1
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Christenson, Erik
/ APPLICANT: Demaggio, Anthony J
/ APPLICANT: Goldman, Phyllis S
/ APPLICANT: McElligott, David L
```

```
/ TITLE OF INVENTION: Human Poly(ADP-Ribose) Polymerase 2 Materials and
/ TITLE OF INVENTION: Methods
/ FILE REFERENCE: 27866/36544
/ CURRENT APPLICATION NUMBER: US/10/369,378
/ PRIOR FILING DATE: 2003-02-19
/ PRIOR APPLICATION NUMBER: US/09/596,248D
/ PRIOR FILING DATE: 2000-06-16
/ PRIOR APPLICATION NUMBER: 60/139,543
/ PRIOR FILING DATE: 1999-06-16
/ NUMBER OF SEQ ID NOS: 68
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 46
/ LENGTH: 3200
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: hPAP1/hPAP2
/ US-10-369-378-46
```

```
Query Match          3.4%; Score 71; DB 16; Length 3200;
Best Local Similarity 100.0%; Pred. No. 7.6e-24;
Matches 71; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1943 ATGGCGAGCTTTCGATTAAGCTCTATCGAGTCGAGTACGCAAGCGGCGGCGCTCT 2002
    |||||
DB 109 ATGGCGAGCTTTCGATTAAGCTCTATCGAGTCGAGTACGCAAGCGGCGGCGCTCT 168
    |||||
QY 2003 TGCAGAAATG 2013
    |||||
DB 169 TGCAGAAATG 179
```

```
RESULT 24
US-10-199-937-177
/ Sequence 177, Application US/10199937
/ Publication No. US20030190739A1
/ GENERAL INFORMATION:
/ APPLICANT: Christenson, Erik
/ APPLICANT: Demaggio, Anthony J.
/ APPLICANT: Goldman, Phyllis S.
/ APPLICANT: McElligott, David L.
/ TITLE OF INVENTION: TANKRASEZ MATERIALS AND METHODS
/ FILE REFERENCE: 27866/36559
/ CURRENT APPLICATION NUMBER: US/10/199,937
/ CURRENT FILING DATE: 2002-07-22
/ PRIOR APPLICATION NUMBER: US/09/606,035
/ PRIOR FILING DATE: 2000-06-28
/ PRIOR APPLICATION NUMBER: 60/141,582
/ PRIOR FILING DATE: 1999-06-29
/ NUMBER OF SEQ ID NOS: 178
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 177
/ LENGTH: 3308
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Parp1a-Tank2b
/ OTHER INFORMATION: Fusion
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (1)..(3297)
/ US-10-199-937-177
```

```
Query Match          3.4%; Score 71; DB 16; Length 3308;
Best Local Similarity 100.0%; Pred. No. 7.6e-24;
Matches 71; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1943 ATGGCGAGCTTTCGATTAAGCTCTATCGAGTCGAGTACGCAAGCGGCGGCGCTCT 2002
    |||||
DB 109 ATGGCGAGCTTTCGATTAAGCTCTATCGAGTCGAGTACGCAAGCGGCGGCGCTCT 168
    |||||
QY 2003 TGCAGAAATG 2013
```

```
DB 169 TGCAGAAATG 179
    |||||
```

```
RESULT 25
US-10-087-192-370/c
/ Sequence 370, Application US/10087192
/ Publication No. US20020182586A1
/ GENERAL INFORMATION:
/ APPLICANT: Morris, David W.
/ APPLICANT: Engelhard, Eric K.
/ TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
/ FILE REFERENCE: 52945200122
/ CURRENT APPLICATION NUMBER: US/10/087,192
/ CURRENT FILING DATE: 2002-03-01
/ PRIOR APPLICATION NUMBER: US 09/747,377
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: US 09/798,586
/ PRIOR FILING DATE: 2001-03-02
/ NUMBER OF SEQ ID NOS: 2059
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 370
/ LENGTH: 35236
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: (1)..(35236)
/ OTHER INFORMATION: n = A,T,C or G
/ US-10-087-192-370
```

```
Query Match          2.5%; Score 52; DB 13; Length 35236;
Best Local Similarity 100.0%; Pred. No. 1.4e-14;
Matches 52; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 306 GATTTCATGTTGTCAGGCTGCTTGAACCTCTGGGCTCAAGGATCC 357
    |||||
DB 31699 GATTTCATGTTGTCAGGCTGCTTGAACCTCTGGGCTCAAGGATCC 31648
    |||||
```

```
Search completed: September 6, 2005, 11:05:15
Job time : 6682 secs
```